SYNCHRONIZATION OF CONTROLLED DEVICE STATE USING STATE TABLE AND EVENTING IN DATA-DRIVEN REMOTE DEVICE CONTROL MODEL

ABSTRACT OF THE DISCLOSURE

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Controlled devices according to a device control model maintain a state table representative of their operational state. Devices providing a user control point interface for the controlled device obtain the state table of the controlled device, and may also obtain presentation data defining a remoted user interface

10 of the controlled device and device control protocol data defining commands and data messaging protocol to effect control of the controlled device. These user control devices also subscribe to notifications of state table changes, which are distributed from the controlled device according to an eventing model. Accordingly, upon any change to the controlled device's operational

15 state, the eventing model synchronizes the device's state as represented in the state table across all user control devices.